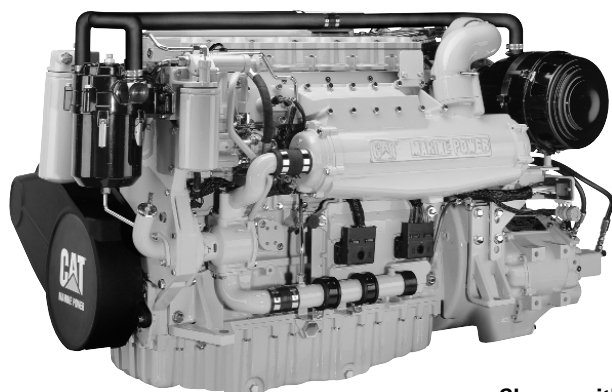




Marine Propulsion Engine 3126B

205 bkW (275 bhp) 279 mhp @ 2400 rpm



Shown with
Accessory Equipment

SPECIFICATIONS

V-6, 4-Stroke-Cycle-Diesel

Emissions	IMO compliant
Displacement	7.2 L (442 cu. in.)
Bore	110 mm (4.33 in.)
Stroke	127 mm (5.0 in.)
Aspiration	Turbocharged-Aftercooled
Governor	Electronic
Engine Weight, Net Dry (approx)	822 kg (1812 lb)
Capacity for Liquids	
Cooling System	39 L (10.3 U.S. gal)
Lube Oil System (refill)	25 L (6.6 U.S. gal)
Oil Change Interval	500 hr
Caterpillar DEO 10W30 or 15W40	
Rotation (from flywheel end)	Counterclockwise

STANDARD EQUIPMENT

Air Inlet System

Sea water aftercooler, 12-volt air inlet heater, air cleaner with fumes disposal (closed system)

Charging System

12-volt 51 amp alternator

Cooling System

Gear-driven auxiliary sea water pump, belt-driven centrifugal jacket water pump, auxiliary sea water lines, expansion tank, transmission oil cooler, engine-mounted heat exchanger with removable tube bundle and replaceable copper-nickel tubes

Exhaust System

Watercooled exhaust manifold and turbocharger, fumes disposal routed to turbocharger inlet

Flywheel and Flywheel Housing

SAE No. 3 (126 teeth)

Fuel System

Fuel priming pump, fuel filter — RH or LH service

Lube System

Crankcase breather; oil filter; oil level gauge, oil filler, oil pan drain — RH or LH service; gear-driven engine oil pump

Mounting System

Front mount is not included (Do not use shipping mounts in permanent installation.)

Protection System

Electronic overspeed shutoff

Starting System

Rear-facing 12-volt electric starting motor

General

Vibration damper and guard, Caterpillar yellow paint, lifting eyes

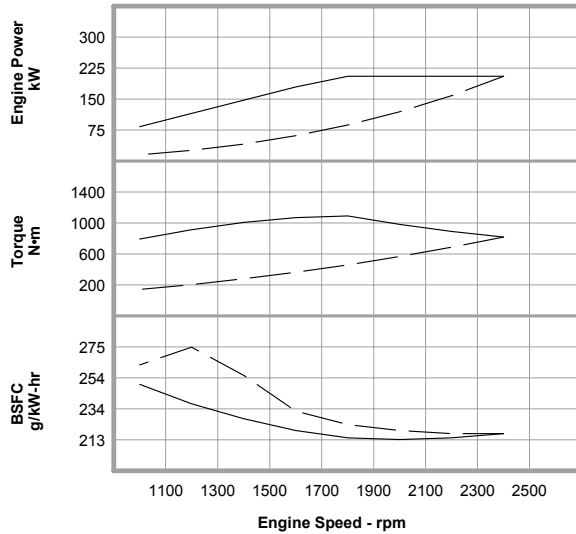
ACCESSORY EQUIPMENT

12V 110 Amp Alternator
Coolant Level Sensor
Coolant Recovery Tank
Crankshaft Pulley
Cruise Kit
12V/24V DC Converter
Dress-Up Kit
Dry Exhaust Elbow
Engine Monitoring System
Engine-to-Engine Wiring Harness
Engine Vision Display System
Flexible Fuel Lines
Front Engine Support
Front-Facing Electric Starting Motor
Fuel Cooler
Fuel Temperature Sensor
GPS Interface Module
Manual Sump Pump
Marine Power Display System
OEM Wiring Harness
Pilot House Instrument Panel
SAE No. 2 Flywheel and Flywheel Housing
Spare Parts Kit
Throttle Position Sensor
Transmission Alarm Contactor
Watercooled Exhaust Elbow
Vibration Isolators

PERFORMANCE CURVES

B Rating — DM7371-00

IMO Compliant

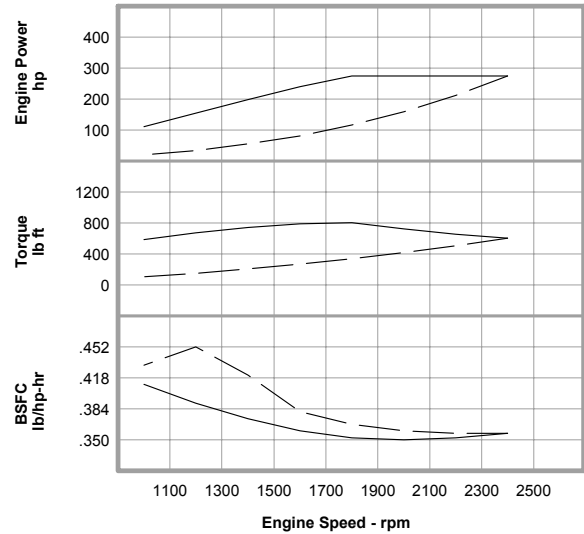


Metric **Maximum Power** **Prop Demand** **205 kW**

Performance Data

	Engine Speed rpm	Engine Power kW	Engine Torque N·m	BSFC g/kW-hr	Fuel Rate L/hr
Maximum Power Data	2400	205	816	217.0	53.1
	2200	205	890	214.0	52.3
	2000	205	979	213.0	52.0
	1800	205	1088	214.0	52.4
	1600	179	1067	219.0	46.7
	1400	147	1005	227.0	39.9
	1200	115	913	237.0	32.5
	1000	83	793	250.0	24.8
Prop Demand Data	2400	205	816	217.0	53.1
	2200	158	685	217.0	40.9
	2000	119	566	219.0	31.0
	1800	87	459	223.0	23.0
	1600	61	363	232.0	16.8
	1400	41	278	256.0	12.4
	1200	26	204	275.0	8.4
	1000	15	142	263.0	4.6

Cubic prop demand curve with 3.0 exponent for displacement hulls only.

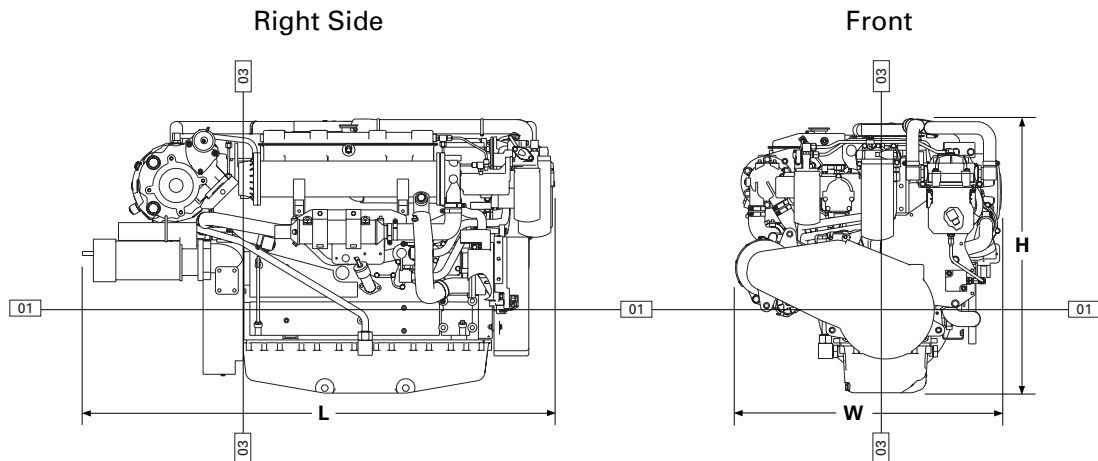


English **Maximum Power** **Prop Demand** **275 hp**

Performance Data

	Engine Speed rpm	Engine Power hp	Engine Torque lb ft	BSFC lb/hp-hr	Fuel Rate gph
Maximum Power Data	2400	275	602	.357	14.0
	2200	275	656	.352	13.8
	2000	275	722	.350	13.7
	1800	275	802	.352	13.8
	1600	240	787	.360	12.3
	1400	198	741	.373	10.5
	1200	154	673	.390	8.6
	1000	111	585	.411	6.6
Prop Demand Data	2400	275	602	.357	14.0
	2200	212	505	.357	10.8
	2000	159	417	.360	8.2
	1800	116	339	.367	6.1
	1600	81	268	.381	4.4
	1400	55	205	.421	3.3
	1200	34	150	.452	2.2
	1000	20	105	.432	1.2

Power produced at the flywheel will be within standard tolerances up to 50°C (122°F) combustion air temperature measured at the air cleaner inlet, and fuel temperature up to 52°C (125°F) measured at the fuel filter base. Power rated in accordance with NMMA procedure as crankshaft power. Reduce crankshaft power by 3% for propeller shaft power.



DIMENSIONS*

	mm	in.
Overall Length	1580.7	62.2
Length from front to rear face of block	1041.4	41.0
Length from rear face of block to back of flywheel housing	136.0	5.4
Overall Height	917.1	36.1
Height from crankshaft centerline to top of engine	629.3	24.8
Height from crankshaft centerline to bottom of oil pan	287.8	11.3
Overall Width	889.9	35.0
Width from crankshaft centerline to port side (left side)	389.1	15.3
Width from crankshaft centerline to starboard side (right side)	500.8	19.7
Customer mounting hole diameter**	27.5	1.1
Width from crankshaft centerline to side**	285.7	11.3
Length from rear face of block to front**	716.3	28.2

*Illustrations and dimensions from drawing: 175-7032
**With optional front engine support

RATING DEFINITIONS AND CONDITIONS

B Rating –

Typical Application . . . Vessels such as midwater trawlers, purse seiners, crew and supply boats, ferries, and towboats where locks, sandbars, and curves dictate frequent slowing, and engine load and speed are constant with some cycling.
Typical Hours Per Year 3000 to 5000
Time at Rated Speed Up to 80%
Load Factor 40 to 80%
Typical Time at Full Load 10 out of 12 hours

Engine Performance Parameters

Power ±3%
Specific Fuel Consumption ±3%
Fuel Rate ±5%

Ratings are based on SAE J1228/ISO8665 standard conditions of 100 kPa (29.61 in. Hg), 25°C (77°F), and 30% relative humidity. These ratings also apply at ISO3046/1, DIN6271/3, and BS5514 conditions of 100 kPa (29.61 in. Hg), 27°C (81°F), and 60% relative humidity.

Fuel rates are based on fuel oil of 35° API [16°C (60°F)] gravity having an LHV of 42 780 kJ/kg (18,390 Btu/lb) when used at 29°C (85°F) and weighing 838.9 g/L (7.001 lb/U.S. gal).

Additional ratings may be available for specific customer requirements. Consult your Caterpillar representative for additional information.



3126B MARINE PROPULSION — 205 bkW (275 bhp)

Performance data is calculated in accordance with tolerances and conditions stated in this specification sheet and is only intended for purposes of comparison with other manufacturers' engines. Actual engine performance may vary according to the particular application of the engine and operating conditions beyond Caterpillar's control.

TMI Reference No.: DM7371-00 (12-17-01)

Materials and specifications are subject to change without notice.

LEHM2105-00 (12-01)

The International System of Units (SI) is used in this publication.

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